



Permit No. 89107T

TEMPORARY THE STATE OF NEVADA

PERMIT TO CHANGE THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

Name of Permittee: BAKER HUGHES OILFIELD OPERATIONS, INC.
Source: UNDERGROUND
Basin: LOWER REESE RIVER VALLEY
Manner of Use: MINING, MILLING, AND DEWATERING
Period of Use: ONE YEAR FROM DATE OF ISSUANCE.
Priority Date: 09/26/1978

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This temporary permit, to change the point of diversion, place and manner of use, of a portion of the waters of an underground source as heretofore granted under Permit 35919, Certificate 10652, is issued subject to the terms and conditions imposed in said Permit 35919, Certificate 10652 and with the understanding that no other rights on the source will be affected by the change proposed herein. This well shall be equipped with a two (2) inch opening for measuring depth to water. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of the water begins. If the well is flowing, a valve must be installed and maintained to prevent waste. This source is located within an area designated by the State Engineer pursuant to NRS 534.030.

Monthly records shall be kept of the amount of water pumped from this well and the records submitted to the State Engineer on a quarterly basis within 15 days after the end of each calendar quarter.

This temporary permit is issued pursuant to the provisions of NRS 533.345 Section 2 and will expire 1 year after the approval of the permit at which time all rights herein granted shall revert to the right being changed by this temporary permit.

This temporary permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this temporary permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

The point of diversion and place of use are as described on the submitted application to support this permit.

(Continued on Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, **not to exceed 0.557 cubic feet per second and 200 acre-feet annually.**

Work must be prosecuted with reasonable diligence and proof of completion of work shall be filed on or before:

N/A

Water must be placed to beneficial use and proof of the application of water to beneficial use shall be filed on or before:

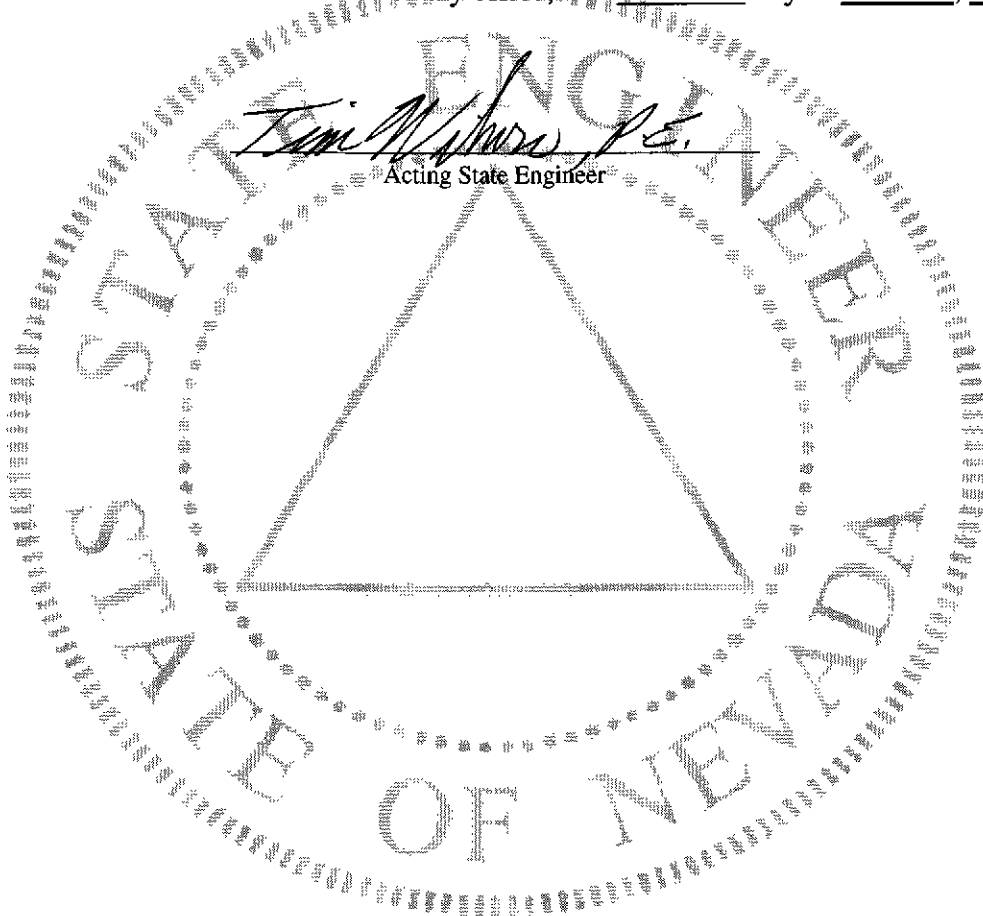
N/A

Map in support of proof of beneficial use shall be filed on or before:

N/A

IN TESTIMONY WHEREOF, I, TIM WILSON, P.E.,

Acting State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 29th day of **October, 2019**



**APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER
OF USE AND PLACE OF USE OF THE PUBLIC WATERS
OF THE STATE OF NEVADA HERETOFORE APPROPRIATED**

THIS SPACE FOR OFFICE USE ONLY	
Date of filing in State Engineer's Office _____	AUG 30 2019
Returned to applicant for correction _____	
Corrected application filed _____	Map filed Aug. 29, 2018 Under 88277

The applicant BAKER HUGHES OILFIELD OPERATIONS, INC.P.O. Box 227 277of Battle Mountain

Street Address or PO Box

City or Town

Nevada 89820charles.mettler@bhge.com

State and ZIP Code

E-mail Address

hereby make(s) application for permission to change the

☒ Point of diversion☒ Place of use☒ Manner of use☒ of a portion

of water heretofore appropriated under (Identify existing rights by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and identify right in Decree.)

Permit 35919, Certificate 106521. The source of water is Underground

Name of stream, lake, underground, spring or other sources.

2. The amount of water to be changed 0.5570 CFS; 200.00 AFA

Give diversion rate in cubic feet per second (CFS) AND duty in acre-feet annually (AFA).

3. The water to be used for Mining, milling & dewatering

Irrigation, power, mining, commercial, etc. If for stock, state number and kind of animals. Must limit to one major use

4. The water heretofore used for Mining & milling

If for stock, state number and kind of animals.

5. The water is to be diverted at the following point (Describe as being within a 40-acre subdivision of public survey and by course and distance to a found section corner. If on unsurveyed land, it should be stated.)

Coincident with the approximate deepest point anticipated for open pit (OP-1), within the NW¼ NW¼ of Section 13, T.30N., R.46E., M.D.B.&M., or at a point from which the NE corner of Section 12, T.30N., R.46E., M.D.B.&M. bears N37°30'18"E; a distance of 7,497 feet. Please refer to supporting map for Permit 88277T.

6. The existing point of diversion is located within (If point of diversion is not changed, do not answer.)

the SW¼ SW¼ of Section 6, T.32N., R.47E., M.D.B.&M., or at a point from which the SW corner of said Section 6 bears S87°51'W; a distance of 618 feet. Please refer to supporting map(s) for Permit 35919, Certificate 10652.

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7. Proposed place of use (Describe by legal subdivisions. If for irrigation, state number of acres to be irrigated.)

Within Sections 34 and 35, T.31N., R.46E., M.D.B.&M., and
within Sections 1, 2, 11, 12, 13 and 14, T.30N., R.46E., M.D.B.&M.

Please refer to supporting map for Permit 88277T.

8. Existing place of use (Describe by legal subdivisions. If changing place of use and/or manner of use of irrigation permit, describe acreage to be removed from irrigation.)

Within the S½ SW¼ of Section 6, T.32N., R.47E., M.D.B.&M.
Please refer to supporting map(s) for Permit 35919, Certificate 10652.

9. Proposed use will be from January 1 to December 31 of each year.
Month and Day Month and Day

10. Existing use permitted from January 1 to December 31 of each year.
Month and Day Month and Day

11. Description of proposed works. (Under the provision of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) (State manner in which water is to be diverted, i.e., diversion structure, ditches, pipes and flumes or drilled well, pump and motor, etc.)

Water will be diverted from a sump in OP-1 via submersible pump. Water will be conveyed, through pipeline(s) and flow meter(s), to a water tank, rapid infiltration basin(s) and/or Slaven Creek. See Attachment "A".

12. Estimated cost of works >\$50,000.00

13. Estimated time required to construct works completed

If well completed, describe well.

14. Estimated time required to complete the application of water to beneficial use <2 years

15. Provide a detailed description of the proposed project and its water usage (use attachments if necessary). (Failure to provide a detailed description may cause a delay in processing.)

Please refer to Attachment "A" for this Application.

16. Miscellaneous remarks:

tim@donahoehydrogeo.com

E-mail Address

(775) 544-3826

Phone No.

Ext.

APPLICATION MUST BE SIGNED
 BY THE APPLICANT OR AGENT

Timothy P. Donahoe, PLS, SWRS, CEM

Type or print name clearly

Timothy P. Donahoe

Signature, applicant or agent

Donahoe Hydro-Geo LLC.

Company Name

3280 Lapwing Lane

Street Address or PO Box

Reno, NV 89509

City, State, ZIP Code

Attachment "A"

Detailed Description of Slaven Canyon Mine Water Usage and Management

Baker Hughes operates the Slaven Canyon Mine (SCM) which is an open-pit barite mine in northern Lander County, approximately 15 miles southeast of Battle Mountain and 57 miles west of Elko within portions of Section 13 and 14 of Township 30 North, Range 46 East (T.30N., R.46E.) of the Mountain Diablo Baseline and Meridian. The mine is located entirely on private land, which is leased from Julian Tomera Ranches, Inc., by Baker Hughes. Currently, nine shallow open pits are present at SCM, three of which (OP-1, OP-2, and OP-3) currently have water.

Baker Hughes reentered OP-1 in the fourth quarter of 2018 to conduct additional mining activities which are expected to last for a minimum of two years. Barite ore is mined from OP-1 and hauled to a pad where it is crushed, stockpiled, then loaded into trucks and transferred to the Argenta Mill for additional processing and bagging. The Argenta Mill is operated in accordance with Nevada Division of Environmental Protection (NDEP) Bureau of Water Pollution Control (WPC) Permit NEV0091045 and Nevada Division of Water Resources (NDWR) water rights Permits 35919, 35920, 73977 and 79093, for a total combined duty (TCD) of 582.48 acre-feet annually (AFA) in addition to other federal, state and local permits.

Dewatering of OP-1 is managed by utilizing two small rapid infiltration basins (RIBs) in accordance with Water Pollution Control Permit NEV2011106, which is effective until March 1, 2022. This permit allows for up to 50,000 gallons per day of water to be discharged into the RIBs.

Prior to resuming mining activities in the fourth quarter of 2018, approximately 40 acre-feet of accumulated pit water needed to be discharged. On August 21, 2018 the United States Army Corps of Engineers (USACE) issued an approved non-jurisdictional determination pertaining to surface waters from the Slaven Creek drainage due to its disconnection with any Traditional Navigable Waters, a criterion required to be met in order to be classified as Waters of the United States (WOUS) and subject to federal jurisdiction. Subsequently, Baker Hughes was granted a Temporary Discharge Permit (Permit # TNEV2018116) from NDEP on September 26, 2018 which allowed to discharge up to 720,000 gallons per day to Slaven Creek for a maximum of 180 days. During the permit period Baker Hughes discharged approximately 16,137,746 gallons of water (49.6 acre-feet) from the main mine pit OP-1 into Slaven Creek. Water discharged via dewatering activities, into the Slaven Creek drainage channel, that is not consumed by evaporation/transpiration (ET) is expected to fully infiltrate.

Baker Hughes is estimating a minimum, intermittent, passive dewatering rate (groundwater inflow rate) ranging from 36,000 to 73,440 gpd (25 to 51 gpm) which is based upon historical dewatering rates from past mining operations at SCM. A dewatering system with this capacity already exists and includes submersible pump(s), generator(s), piping, flow meter(s), valve box(es), two RIBs, a 10,000-gallon HDPE storage tank, and a water stand for filling water trucks. The dewatering system is intended to be operable year-round.

The passive dewatering of groundwater inflow into the pit will be managed through the existing WPC permit for the RIBs. A portion of the dewater will be consumed to support mineral exploration drilling, and other ancillary uses, such as dust control, mineral exploration, mining and pre-milling operations. Excess water generated from dewatering activities will be managed by discharging to the two existing rapid infiltration basins (RIBs) located downgradient from the pits, in accordance with existing NDEP WPC Permit NEV2011106.

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STATE OF NEVADA
OFFICE OF THE ATTORNEY GENERAL